

## Contact

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## fatuk

TU Kaiserslautern

Building 1

Pfaffenbergstraße 95  
67663 Kaiserslautern

## Fees

Participants 180 €

Full time students 90 €

The Conference Fee should be paid via bank transfer to: TU Kaiserslautern, Deutsche Bundesbank Filiale Mainz, IBAN: DE25 5500 0000 0055 0015 11, BIC: MARKDEF 1550, Reason for payment: Registration rca2018 conference, KST 9015.512, your name. Registration Deadline: 17 September 2018

If you register as a student, it is required that you show a proof of enrollment at the registration desk.

# 27–28 September 2018

RCA 2018 The International Conference aims to discuss topics and methods in architectural research, focusing on their cross-disciplinary interrelations and their relevance to the design process itself.

Architecture refers to many participating disciplines such as construction, materials sciences, building physics, sociology, fabrication technology, computer science, geometry, arts, architectural history and theory. It is significant, that these disciplines are interlinked in planning, design and realization processes of architecture. Compared to other sciences this is certainly one of the reasons why the development of a research culture in architecture is more difficult.

The International Conference will identify research topics and methods, encourages a research discourse and provides impulses especially for young researchers. The cross-disciplinary interrelations will be debated through invited keynote lectures, as well as presentations of papers and posters, which have been accepted by our scientific committee. The invited experts from academia and practice will showcase pioneering projects and developments from various fields of architectural research. Additionally, the special situation of a research culture in architecture as well as research topics and methods will be discussed at round tables.

rca X 2018

research culture in architecture X international  
conference on cross-disciplinary collaboration

DFG



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Fachbereich Architektur  
Technische Universität  
Kaiserslautern

TECHNISCHE UNIVERSITÄT  
KAISERSLAUTERN



# Thursday, 27 September

09:00 Registration & Coffee

10:00 Welcome  
Arnd Poetzsch-Heffter, Vice President for Research, Technology and Innovation, TUK  
Johannes Modersohn, Dean of Faculty, fatuk

10:15 Keynote Lecture  
Michael Hensel, TU Wien:  
Researching Research Cultures in Architecture  
Chair: Stephan Birk, fatuk

11:00 Coffee Break

11:30 Parallel Paper Sessions  
A1 Practice and Research  
Chair: Marco Zünd, fatuk  
B1 Structures and Sustainability  
Chair: Angèle Tersluisen, fatuk  
C1 Architectural Space and Perception  
Chair: Cornelia Leopold, fatuk

13:00 Lunch

14:00 Keynote Lecture  
Margitta Buchert, LUH Hannover:  
In-Between Realms  
Chair: Heike Kern, fatuk

14:45 Keynote Lecture  
Christian Derix,  
Woods Bagot SuperSpace, Sydney:  
The Spatial Turn in Design Computing  
Chair: Helmut Kleine-Kraneburg, fatuk

15:30 Coffee Break

16:00 Parallel Paper Sessions  
A2 Design Methods: New Approaches  
Chair: Christina Jagsch, fatuk  
B2 Material and Construction  
Chair: Moritz Kaiser, fatuk  
C2 Architectural Space and Human Body  
Chair: Judith Leinen, fatuk

17:30 Coffee Break

18:00 Discussion 1:  
– Research Culture in Architecture  
19:00 Michael Hensel, TU Wien  
Margitta Buchert, Leibniz Universität Hannover  
Christian Derix, Woods Bagot  
SuperSpace, Sydney  
Maria da Piedade Ferreira, fatuk  
Peter Spitzley, fatuk  
Ulrike Weber, fatuk  
Moderator: Georg Vrachliotis, KIT Karlsruhe

20:00 Dinner

# Friday, 28 September

09:00 Parallel Paper Sessions  
A3 Architecture and Visualization  
Chair: Franziska Wilcken, fatuk  
B3 Digital Timber Construction  
Chair: Christopher Robeller, fatuk  
C3 Architectural Education  
Chair: Oda Pälmeke, fatuk

10:30 Coffee Break

11:00 Keynote Lecture  
Eike Roswag-Klinge, TU Berlin:  
Designing Natural Buildings  
Chair: Stephan Birk, fatuk

11:45 Keynote Lecture  
Caitlin Mueller, MIT Cambridge:  
Digital Tools and Structural Design  
Chair: Johannes Modersohn, fatuk

12:30 Poster Session

13:00 Lunch

14:00 Keynote Lecture  
Sigrid Brell-Cokcan, RWTH Aachen:  
Individualizing Production with DIANA - a  
Dynamic and Interactive Robotic Assistant  
for Novel Applications  
Chair: Christopher Robeller, fatuk

14:45 Parallel Paper Sessions  
A4 Mathematical and Structural  
Design Approaches  
Chair: Cornelia Leopold, fatuk  
B4 Robotics in Timber Construction  
Chair: Christopher Robeller, fatuk  
C4 Sustainability and Climate Approaches  
Chair: Andreas Winkels, TH Bingen

16:00 Coffee Break

16:30 Discussion 2:  
– Research Culture in Architecture  
18:00 Eike Roswag-Klinge, TU Berlin  
Caitlin Mueller, MIT Cambridge  
Sigrid Brell-Cokcan, RWTH Aachen  
Cornelia Leopold, fatuk  
Christopher Robeller, fatuk  
Peter Spitzley, fatuk  
Moderator: Georg Vrachliotis, KIT Karlsruhe

Die Konferenz wird von der Architektenkammer Rheinland-Pfalz mit 10 Unterrichtsstunden als Fortbildungsveranstaltung für Absolventen in der Praxis (AIP) anerkannt; Mitglieder der Architekten- und Stadtplanerkammer Hessen können für die Teilnahme Fortbildungspunkte erhalten.